O U R S O C I A L M E D I A

FOLLOW CHESS-TGROUP ON THE FOLLOWING SOCIAL MEDIA

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Email: info@chesstgroup.com
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Tankguagewebsite:*www.guagingsystems.chesstgroup.com*
Forum:*www.forum.chesstgroup.com/forum*
*HOTLINES:****+234-8064285423,+234-8094232709***

OUR VISION

WE ARE GEARED TOWARDS REDEFINING THE SCOPE, QUALITY AND STANDARDS OF ENGINEERING, OIL AND GAS RELATED SERVICES.

OUR MISSION

TO ENHANCE WITH THE AID OF MODERN DAY TECHNOLOGY, THE OVERALL DEVELOPMENT OF THE NATION WITHIN THE AFRICAN CONTEXT.

SHARED VALUES

DISCIPLINE AND DILIGENCE *
INTEGRITY AND TRANSPARENCY IN BUSINESS *
COMMITMENT AND DEDICATION *
DETERMINATION TO ACHIEVE SET GOALS *
QUALITY AND PROMPT SERVICE DELIVERY *
PROFESSIONALISM AND HUMAN CAPACITY DEVELOPMENT *

CHAIRMAN'S

PHILOSOPHY

LEADERSHIP IS AN ATTRIBUTE OF WHO WE ARE AND WHAT WE BELIEVE IN, IT'S NOT BASED ON JOB TITLE OR PAY GRADE.

.....TOS DOUGLAS

ORDER FORM

PLEASE SEND YOUR ORDER TO
CHESS-T GROUP NIGERIA LIMITED, E-mail: info@chesstgroup.com

Invoice Address:

Name: _____

Company Name: _____

Address: _____

City: _____

Country: _____

Postal Code: _____

Country: _____

Tel: _____ **Fax:** _____

E-mail: _____

VAT No (if applicable): _____

Payment Method

BANK WIRE TRANSFER

☐ **Bank Name:** SKYE BANK PLC
Account Name: TOM CHESS-T GROUP OF COMPANIES LTD
Account Number: (NGN) 1771268331 (USD) 2520287533 (GBP) 2540078256 (EURO) 2550035319
Sort Code: 076211357

☐ **Bank Name:** ZENITH BANK PLC
Account Name: CHESS-T INTEGRATED SERVICE LTD
Account Number: 1010500209

☐ **Bank Name:** STANDARD CHARTERED
Account Name: MANIC INTEGRATED SERVICE LTD
Account Number: 0000587217

☐ **CHEQUE Payable to TOM CHESS-T GROUP OF COMPANIES LTD**

☐ **MASTER CARD** ☐ **VISA**

Payment terms
All goods must be prepaid, either by cheque, bank transfer or credit card (Visa or Mastercard).
For overseas order VAT is not charged. Order from other African Countries must include your VAT number otherwise NIGERIA VAT must be charged.

I/We enclose a cheque for N _____ or please debit my Visa/Mastercard for the above goods having added carriage and, if applicable, VAT.

CARD NUMBER ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

EXPIRY DATE ☐☐☐☐☐☐ **LAST 3 DIGITS OF SECURITY CODE (ON RESERVE OF CARD)** ☐☐☐

MAIN SOURCE: INLAND REVENUE WEBSITE

Mean mpg - miles per gallon - from manufacturers information, weighted by annual sales to businesses (Society of Motor Manufacturers and Traders (SMMT), 2007).

Applied mpg - adjusted downwards by 10% to take account of real driving conditions and lower fuel economy for older cars

Average petrol and LPG prices from AA website (2007), UK avg Petrol - 88.2p/ltr, UK avg LPG - 46.8p/ltr

If you had £2000 in a Building Society account, the best rate will give a yearly interest of £76. If you invested this on a conversion, you would save more in petrol costs within the first month! So in financial terms it makes complete sense to do the conversion, especially if you do more than average mileage or have a large engine capacity car.

Clear Pricing

The prices for conversion are dependent on the system chosen and any specific considerations requested by the customer.

Having said that our aim is to provide complete satisfaction so no hidden extras.

PRE-INSTALLATION

We will agree the design up front and ensure that the conversion is scheduled to fit around your lifestyle needs

Installation

We will ensure that you get a conversion using state of the art equipment, personally supervised by Gurch to ensure everything is done to the highest standards.

POST-INSTALLATION

We will provide all the paperwork (including guarantee) and a personal demonstration so that you are comfortable with the new system. Plus we are here to ensure years of trouble free motoring

Our standard prices for undertaking the conversion service start from as little as £950.

Complete the on-line quote form or call Douglas on 08064285423 for an exact quote Some of our customers have very specific requirements so please contact us for a personalised quote.

CHESS-T SERVICE OATH

WE OF CHESS-T GROUP DO SOLEMNLY VOW, TO THAT WHICH WE VALUE AND HOLD MOST DEAR:

! That we will honor the ideals of our Profession and calling of project development, high definition animation and engineering contractors to be just and generous to the public, our potential customers, friends and help sustain our services to humanity;

! That just as we have learned from those who preceded us, so will we instruct those who follow us in the service and in the art of high degree of professionalism.

! That we will recognize the limits of our knowledge and pursue lifelong learning to the better development for the enhancement and quality of projects, animation and superlative engineering works.

! That we will seek the counsel of others when they are more expert so as to fulfill our Obligation to those who entrusted into our hands there projects and investment

! That we will not withdraw our professional services from our colleagues, partners and clients in their hour of need;

! That we will lead our life and practice our art with integrity and honor, using our power wisely;

! That whatsoever we shall see or hear of the investment of our clients that is not fitting to be spoken, we will keep in confidence;

! That into whatever business we shall seek to enter, it shall be for the good of the company and customer.

! That we will maintain this sacred trust, holding our self far aloof from wrong, from corrupting, from the tempting of others to vice;

! That above all else we shall serve the highest interest of our customers through the practice of our service and our art of professionalism.

! That we will be an advocate for ideas and social values in the service of mankind and strive for justice for Equal opportunities in an egalitarian society.

! We now turn to our calling, promising to preserve its finest traditions, core values with the reward of an uncompromised quality service delivery.

! We make this vow freely and upon our honor.

ABOUT US

OUR BUSINESS STARTED EIGHT YEARS AGO WHEN TOS DOUGLAS (OUR MANAGING DIRECTOR) HAD READ ABOUT THE BENEFITS OF LPG BUT WANTED PROOF BEFORE INVESTING IN A CONVERSION ON HIS OWN AUDI.

HE PURCHASED A CARLTON AND WAS IMPRESSED WHEN HE DROVE 650 MILES ON £45 OF GAS. HE DECIDED THAT LPG WAS DEFINITELY THE WAY TO GO. HE THEN LOOKED AROUND TO FIND SOMEONE TO DO THE CONVERSION ON HIS AUDI, UNFORTUNATELY THIS WAS NOT AS EASY AS HE THOUGHT. MANY OF THE INSTALLERS HE CALLED DID NOT INSPIRE HIM WITH THE CONFIDENCE TO GO AHEAD.

IT JUST SO HAPPENS THAT THE DOUGLAS IS AN EXPERT IN CARS SO HE DECIDED TO SET UP IN BUSINESS TO TRADE IN LPG CARS. FROM THESE HUMBLE BEGINNINGS THE COMPANY WAS BORN.

HIS REPUTATION SPREAD BY WORD OF MOUTH, FIRST FAMILY AND FRIENDS THEN CALLS FROM OTHER PEOPLE. HIS EXPERIENCE BROADENED BECAUSE HE STARTED DOING COMPLEX TROUBLE SHOOTING ON DIFFERENT TYPES OF EQUIPMENT, FROM THIS HE HAS DEVELOPED IN DEPTH KNOWLEDGE OF MANY OF THE LPG SYSTEMS ON THE MARKET. HE HAS NOW OPENED A LARGE CUSTOM BUILT WORKSHOP TO UNDERTAKE CONVERSIONS AND PROVIDE SERVICE TO THE HIGHEST QUALITY. www.lpgservice.chesstgroup.com FOR MORE INFORMATION ON THE SERVICES WE OFFER.

PRICE LIST

POUND PRICE

Conversion Price List			
Cylinder	Prins VSI	Silverline	LPG TECH
4 Cylinder	£ 2,500.00	£2,200.00	£ 1,900.00
5 Cylinder	£ 2,650.00	N/A	£2,100.00
6 Cylinder	£ 2,750.00	£2,400.00	£2,200.00
8 Cylinder	£ 3,000.00	£ 2,600.00	£2,400.00
10 Cylinder	£3,500.00	N/A	
Price Exclusive VAT			

DOLLAR PRICE

Conversion Price List			
Cylinder	Prins VSI	Silverline	LPG TECH
4 Cylinder	$2,355.00	$1,884.00	$1,413.00
5 Cylinder	$2,590.50	N/A	$1,727.00
6 Cylinder	$2,747.50	$2,198.00	$1,884.00
8 Cylinder	$3,140.00	$2,512.00	$1,400.00
10 Cylinder	$3,925.00	N/A	
Price Exclusive VAT			

NAIRA PRICE

Conversion Price List			
Cylinder	Prins VSI	Silverline	LPG TECH
4 Cylinder	N357,000.00	N285,600.00	N214,200.00
5 Cylinder	N392,700.00	N/A	N261,800.00
6 Cylinder	N416,500.00	N333,200.00	N285,600.00
8 Cylinder	N476,000.00	N380,800.00	N333,200.00
10 Cylinder	N595,000.00	N/A	
Price Exclusive VAT			

Prins VSI *comes with 5year/ 60,000 miles warranty.*

Silverline *comes with 2year warranty.*

LPG TECH *comes with 2year warranty.*

All Prices mentioned above are Exclusive of VAT. Prices can vary due to vehicle complicity and tanks.

NAIRA PRICE

typical savings figures														
engine type	mpg	weekly savings miles travelled per week					yearly savings miles travelled per year					for Average user	
												miles to pay back	months to pay back
		200	231	300	400	500	10400	12000	15600	20800	26000		
			avg					avg					
4 cylinder	33.4	N 2,682.26	N 3,096.38	N75,424.58	N5,366.90	N6,706.84	N 139468.00	N 160,888.00	N 209,202.00	N 278,936.00	N 384,908.00	26,612	26.6
6 cylinder	24.4	N 3,672.34	N 4,238.78	N5,509.70	N7,347.06	N9,182.04	N 191,114.00	N 220,388.00	N 286,552.00	N 381,990.00	N 477,428.00	19439	19.4
8 cylinder	16.5	N 5,438.30	N 6,276.06	N8,158.64	N10,87898	N13,599.32	N 282,744.00	N 326,298.00	N 424,354.00	N 565,726.00	N 707,098.00	13127	13.1

DOLLAR PRICE

typical savings figures													
engine type	mpg	weekly savings miles travelled per week					yearly savings miles travelled per year					for Average user	
												miles to pay back	months to pay back
		200	231	300	400	500	10400	12000	15600	20800	26000		
			avg					avg					
4 cylinder	33.4	$17.69	$20.43	$497.55	$35.40	$44.24	$920.02	$ 1,061.32	$ 1,380.03	$ 1,840.04	$ 2,301.62	26,612	26.6
6 cylinder	24.4	$24.23	$27.96	$36.35	$30.87	$60.57	$ 1,260.71	$ 1,453.82	$ 1,890.28	$ 2,519.85	$ 3,149.42	19439	19.4
8 cylinder	16.5	$35.87	$41.40	$53.82	$71.76	$89.71	$ 1,865.16	$ 2,799.31	$ 2,799.31	$ 3,731.89	$ 4,664.47	13127	13.1

chess-t group
building perfection

Our Mission

Is to provide the most superior responsive service in Nigeria on all aspects of environmentally friendly fuel systems. Ensuring sensible communication of information to the flawless installation of the chosen system and provision of ongoing care to ensure many miles of trouble free motoring.

Why Us

What we found when we started out in this industry was that, even though the installation of systems is governed by regulation, the access to information in an easy to understand manner was hard to come by. It took a lot of searching to get information and piece together a complete picture. The information (once pieced together) formed an absolutely compelling case for conversion to LPG.

That was the beginning of our belief in this technology and a passion to bring it to a much wider audience, which is what we have been doing since. The company has grown so much that we have moved premises recently to meet the demand we uncovered.

We take very seriously the quality of our services. What sets us apart from our competition is our undertaking to provide easy to understand advice and a comprehensive service that covers design, installation, documentation, certification, application to DVLA, personal demonstration to the owner and annual servicing. Basically you can rest assured that nothing further will be required for you to take advantage of this technology.

The people

The company is owned by THOMPSON O.S DOUGLAS, he has been involved with car design and manufacture for 10years and has helped develop much of the leading edge technology that is now familiar to the car user. Douglas career spans Jaguar, Rover, BMW Porsche, Mercedes, Volkswagen, Chrysler and Honda. He has also been instrumental in developing specifications for one off custom built cars e.g. bullet proof cars, electric powered cars etc.

Douglas runs the workshop and oversees the quality of every installation. Douglas has a distinctive reputation in car electronic systems and is regularly called upon to undertake system assessments.

Also supporting Douglas is Karl Sanger. Karl has been working in technology product management and marketing for 20 years and is responsible for providing the information and ensuring customers are delighted with the service from LPG-Cars.

The quality of our installation

We pay attention to every detail so that the quality you get from LPG-Cars is of the highest standard. Of course all our work complies with the Codes of Practice of the Motor Vehicle (Construction & Use Regulations). We are approved installers by the LPG Association (the industries governing body), as well as by Calor Gas and BP (Jet). The company is accredited with installation of the main systems used within the Country.

We have many satisfied customers from individuals to main car dealers to taxi companies. But don't take our word for it, see what our customers say.

I've owned two LPG converted vehicles and there's lots to consider. The system you get fitted depends on your car - a high performance vehicle will require a more expensive system. Expect to pay £3,000 to £3,700 for the LPG system with fitting. Consider the mpg of your current vehicle- take 5-10% off that for LPG mpg (the gas has less energy per volume than petrol). Where's your nearest LPG station? Are you going to have to make out of your normal route trips to get LPG? You will be topping it up more regularly than you currently do for fuel. And make sure you inform your insurance company if you decide to go ahead - they'll probably ask to see the fitting certificate. I did the sums on my new car and it wasn't worth it - even though I'm a huge fan of ***LPG.***

NOT SO GREAT

LPG environmentally friendly? While it is cleaner to burn than either petrol or diesel it is nevertheless a fossil fuel and not sustainable. It also contributes to net CO2 emissions. The government has now cancelled its "powershift" LPG conversion grant scheme. There are also persistent rumours about increased tax on LPG which would negate most, if not all, of the price advantage it currently holds. Some insurers will not cover LPG cars, while others surcharge to do so. You cannot take LPG through the channel tunnel. If you must drive and are concerned about the environment get a small diesel car and use a specific type of biologically derived waste oil as fuel. You will be carbon neutral and save a bit of money on fuel tax (although not zero rated as in many other EU countries).

WHERE CAN YOU GET IT ?

I converted my car to LPG in 2000 for around £1,200. I calculated it would take about two years to pay for itself, but it took just over a year to recoup my outlay, on an average annual mileage of 10,000 to 15,000. Consider how easy LPG is to get in your part of the country. In some places garages do not carry it. It is advisable to keep your fuel tank at least half-full to avoid being caught out somewhere LPG is not easy to come by. Motoring in Europe is a bit hit and miss - France is excellent with many garages and at least one supermarket in each town carrying it, but in Italy and Germany provision is more patchy. Verdict - well worth it financially, and even more so now with petrol going up proportionately much faster than LPG.

DON'T LOOK BACK

I had a camper van which I converted to LPG four years ago. It cost a little over £1,000, but paid for itself within a year as fuel is often more than half the price of normal unleaded, and efficiency is about the same. The environmental and cost benefits easily outweigh the disadvantages. These include difficulty finding LPG pumps in some parts of the country and the foul smell anyone behind you in a traffic jam has to endure. You also lose boot space, as it is important to keep your petrol tank in case you cannot find a convenient pump. Your car will be fitted with a switch to change from LPG to petrol, and might find starting easier with petrol on cold mornings. Information about grants, conversion specialists and, most importantly, an up to date list of petrol stations supplying LPG can be obtained from www.lpgservices.chesstgroup.com.

Once converted to LPG you won't go back.
What's been the experience of Jobs & Money readers? Email your suggestions or write to us at Personal Effects, Jobs & Money, at Chess-t Group, No 70 Forces Avenue, Old G.R.A, Port Harcourt. There's a £25 National Book Token for the best answer.

CUSTOMER SERVICE PLEDGE

We aim to provide information in a timely and easy to understand way, if we make a promise we will do anything it takes to keep it and if you have any problems we will react swiftly to make it right.

SEE OUR SERVICE OATH.

Below are just a few things that we offer on our Multi-point Systems to make things easy for you.

- *Free courtesy car (you have a choice from 5 cars, subject to status)*
- *Service/User Manual*
- *Filling instructions*
- *Approved Installer Certificate*
- *24 months parts and labour warranty on the conversion*
- *A full tank of LPG*
- *LPG-Cars offer a 24 month LPG Vehicle Breakdown Warranty for £129.99.*
- *High pressure puncture Sealer*
- *LPG Map of filling stations*

Financial Savings

The following table should help you to look up the financial savings depending on how many miles you drive.

Pounds Price

typical savings figures												
engine type	mpg	weekly savings miles travelled per week					yearly savings miles travelled per year					for Average user miles to pay back	for Average user months to pay back
		200	231	300	400	500	10400	12000	15600	20800	26000		
			avg					avg					
4 cylinder	33.4	£11.27	£13.01	£316.91	£22.55	£28.18	£586	£676	£879	£1,172	£1,466	26,612	26.6
6 cylinder	24.4	£15.43	£17.81	£23.15	£30.87	£38.58	£803	£926	£1,204	£1,605	£2,006	19439	19.4
8 cylinder	16.5	£22.85	£26.37	£34.28	£45.71	£57.14	£1,188	£1,371	£1,783	£2,377	£2,971	13127	13.1

OUR CURRENT PRICE IS ONLY
L.P.G *68.9 p*
PETROL 134.9 p

As recommended.

The average motorist who runs a 2 Litre car will spend £2,000 per year on petrol.

We always set ourself high standards, so whether your are doing it for your own car or a company, our aim is to provide the most superior LPG conversion service in Our Company..

As Nigeria's leading LPG conversions specialist we provide guaranteed satisfaction to customers from all over. Our workshop is located in Abuja.

LPG Cars
If it is LPG cars you want, then look no further than ***LPG Cars****! We have a wide array of kits and options for you to choose from right here. And the quality of service for your vehicle will be unrivalled. There is absolutely no way you will want to go anywhere else.*

LPG CONVERSIONS
LPG conversions *have never been this easy. Welcome to* ***LPG Cars****, where you will find nothing less than the best LPG conversions services you could ever hope to find. Trust us, and you will surely be making the right decision! Don't wait, try us out now.*

GAS CONVERSIONS
If you want to get a gas conversion done then look no further, for we have the perfect solution for you. LPG cars can do your gas conversions with finesse, and if you are worried about the price, then don't, for we offer a price match, on all our ***gas conversions****!*

LPG Vehicles *Looking for high quality* ***LPG vehicles****? Your search ends right here at* ***LPG Cars****, where we find exactly what you are looking for. Our LPG vehicles undergo thorough testing, so you can be completely confident when you buy from us.*

LPG Car
An ***LPG car*** *can not only help you save a lot of money, but it is also good for the environment. There is no better place to get your dream LPG car than at* ***LPG Cars****. We are the number one dealer of* ***LPG*** *car kits, so there is absolutely no way that you can go wrong with us!*

LPG Car Conversions Made Simple

Our custom built premises in Coventry will meet our commitment of superior service no matter what your requirements. Click here to find out more about us, and our LPG car conversion services.

The reasons for ***LPG*** *conversions are compelling:*

- *You save money.*
- *You are reducing emissions so you are helping the environment.*
- *You reduce the wear and tear on your vehicle.*

Visited other sites or spoken to different people?
Then you may be baffled at the choices when it comes to purchasing or converting your vehicle. We are passionate about cars, LPG cars and alternative fuels, we aim to make it as simple as possible for you by providing:

- *Straight forward advice.*
- *An in depth consultation service ahead of the conversion.*
- *A quality service that is designed specifically for your requirements.*
- *A fleet of courtesy cars.*
- *Guaranteed quality.*
- *A handover that includes a thorough explanation and demonstration.*
- *A post installation courtesy check to ensure you and the car are delighted.*
- *Advice on any aspect of the car for the duration of your ownership.*

Benefits of LPG over other fuels

The cost of LPG is half that of Petrol. Yes that's right half !

The case for LPG over other fuels is compelling.

The benefits for the environment are underpinned by Government initiatives (i.e. reduced taxes and charges). There is also reduced wear and tear on the engine. The points below are just some of the reasons to make the change.

- *You'll be driving in a more environment-friendly way, the gain from the use of Autogas for vehicles are undeniable. Please see section below for details*
- *In contrast to diesel, cold starting is no problem, engine performance is similar to petrol.*
- *No spilling when filling your tank and little possibility of theft or pilfering.*
- *Engine noise is reduced.*
- ***LPG*** *is better than petrol because it reaches the engine in gas form leading to improved combustion.*
- *The ignition of Autogas is smoother as a result of the higher octane content. No additives are required to guarantee high quality.*
- *The life of the engine is increased because of the absence of acids and carbon deposits.*
- *Autogas contains no lead and is therefore cleaner.*
- *Exhaust emissions contain less harmful substances when compared to petrol and diesel.*
- *The engine oil does not become diluted with a resulting drop in servicing costs.*

ENVIRONMENTAL BENEFITS OF LPG

The Energy Savings Trust indicates that road transport is responsible for nearly 50% of smog forming pollutants.

LPG-Cars will work with you to create a zero carbon footprint for your vehicle. This will involve assessment of your annual usage. LPG-Cars will then make an equal contribution to ensure that your first year is carbon zero. We also provide a scheme where you can have a zero footprint for the duration of your ownership. Please ask for details when you book in for the conversion.

Our view is that LPG is a cleaner fuel specifically:

- *LPG produces 33% less CO2 emissions than petrol and 45% less CO2 than diesel.*
- *LPG vehicles produce upto 82% less Nitrogen Oxide pollutants than petrol and 99% better than diesel !*
- *63% less Carbon Monoxide.*
- *40% less Hydrocarbons than petrol and 70% less than diesel.*
- *50% less particulates than petrol and 98% less than diesel. These caused the London warning in 2005.*

LPG conversions

Save costs & go green – our guide to LPG conversion

Once you have decided that an LPG converted vehicle is for right for you, you will need to find a suitable LPG system for your vehicle and an Approved Installer to fit it to your vehicle and chess-tgroup is here.

Choosing a suitable Autogas LPG system & installer

Most petrol powered cars and light commercials can be converted to run on Autogas LPG. If you already have a petrol powered vehicle, the chances are you could convert your vehicle immediately and start to enjoy the financial and environmental benefits of Autogas LPG power. There are many systems available from many manufacturers, however not all systems are suitable for every vehicle.

It is recommended that conversions are carried out by a Approved Installer. These companies comply with set standards, training and examination of installers as well as a thorough inspection process that has government approval. These approved installers will be able to advise you on the best system for your particular vehicle and needs. Find out more about the scheme here.

The process of converting an existing petrol powered vehicle to run on LPG is relatively simple and takes approximately two days to complete.

The average cost of converting a 4-cylinder vehicle to run on LPG should be around) see cost attached (prices may vary depending on vehicle type, age, condition, specification of conversion kit and is intended as a guide only). The average motorist covering 20,000 miles per annum should be able to recover this initial investment within five months.

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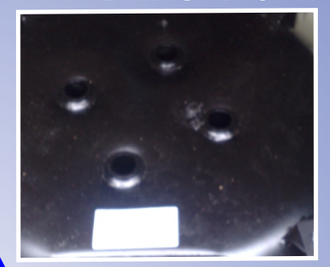
RC 993532
..building perfection

LPG CAR CONVERSION

MUSTANG CONVER CAR CONVERSION



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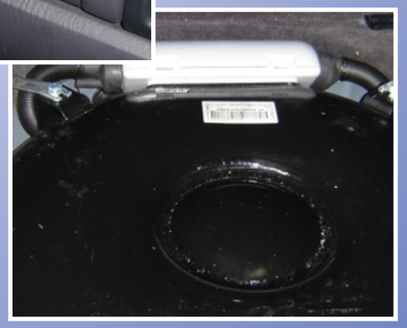
LPG CAR CONVERSION

GRAND CHEROKEE CAR CONVERSION



Insurance

*Converting a vehicle to run on LPG is classed as an engine modification and as such you will need to notify your insurer. Most insurance companies will insure an LPG converted vehicle provided the vehicle is listed on the online **LPG** Vehicle Register. You should check the individual requirements of your insurance company before having a vehicle converted. This can usually be done with a simple phone call.*

DVLA (Department of vehicle licensing Authority)

You should also notify DVLA that your vehicle has been converted to run on LPG as it is a mechanical change from when the vehicle was first registered. By registering the vehicle with DVLA as alternatively fuelled you may be entitled to a reduction in Vehicle Excise Duty (road tax).

The LPG system explained

Modern LPG systems mirror those of conventional fuel systems. An LPG system consists of a storage tank, fuel lines, fuel pump, injectors and ECU (electronic control unit).

Tanks

As LPG is stored as a liquid under pressure, tanks are designed to withstand high impact and extreme temperatures. To allow for product expansion LPG tanks should be filled to 80% and fitted with an over fill protection valve. Tanks should be permanently mounted in the vehicle typically in the boot, spare wheel well or under the chassis. ***Filler Point***

The vehicle filler point should be permanently mounted to the vehicles body in a convenient spot typically close to the petrol filling cap. In the case of 4×4 vehicles the filling connector may be mounted on the tow bar attachment or low down on the vehicle bumper. Different countries have different fittings for LPG refuelling. The standard in the UK is the Dutch 'bayonet' fitting.

Fuel switch & gauge

Nearly all LPG vehicles are dual fuel meaning they will run on either LPG or petrol, switching seamlessly between the two fuels whilst in motion at the flick of a switch or when they run out of LPG. This switch is usually mounted conveniently on the dash and may also be integrated with the LPG fuel gauge.

Engine components

Looking under the bonnet you may notice the subtle additions of the LPG fuel system. These will typically include (depending on the vehicle and system) the LPG injectors, vaporiser, LPG fuel lines, additional valve lubrication and ECU.

Liquefied Petroleum Gas (LPG) as an alternative automotive fuel

Autogas is the term generally used for Liquefied Petroleum Gas (LPG), when it is used for the propulsion of road vehicles.

It is obtained as a by-product of the distillation of oil from crude oil and from "wet" North Sea gas. It is produced in large quantities, a surplus of approximately 4 million tonnes per annum is currently available from the North Sea . This surplus is forecast to increase over the next 20 years.

When it is pressurised it becomes a liquid and it is in this form that it is pumped into your tank. Compared to petrol, Autogas has a higher octane content (according to the RON method).

Super grade petrol 98

Lead free 95

LPG over 100

Technical Support

Background Info

For over 5 years, LPG-Cars has been trouble shooting petrol fuelled vehicles to run on dual fuel LPG now commonly known as Autogas. Many of our customers will remember the very early conversion equipment used on pre injection vehicles and the challenge to find a local supply of fuel! ***Engine Bay***

With the development of modern fuel injected engines and complicated computer engine management systems it has been a challenge to develop compatible conversion equipment in line with the constantly stringent demands for improved vehicle emissions.

The challenge is met today with new direct gas injection systems incorporating advanced engine management software providing low emissions whilst maintaining optimum engine performance.

As with all developing markets, there has been a rapid growth in the number of companies and individuals offering LPG conversions, many of which have little or no formal training and offer no technical support or after sales service. Partly as a result of the lack of statutory regulation, the result has often been poorly or incorrectly installed conversion equipment that in some cases may not even be suitable for the vehicle converted.

In response to demand from a few dissatisfied customers, LPG-Cars is now offering a diagnostics and repair service on a variety of LPG systems in use in the Country today. LPG-Cars believe that many of the problems experienced by customers can be rectified, resulting in better running, satisfied customers and promoting a sustainable market.

A new workshop has been developed in Coventry, incorporating advanced LPG diagnostics equipment. Whilst proving invaluable for testing the performance of vehicles on completion of

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LPG CAR CONVERSION

CORSA CAR CONVERSION

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LPG CAR CONVERSION

DODGERAM CAR CONVERSION

TERMS & CONDITION

LPG Installation and other Services

1. A pre-payment is payable to secure a date for conversion, this is only refundable in certain unforseen circumstances and at the discretion of Chess-TGroup Ltd.

2. We will do our best to fit the chosen equipment of the right size and in the desired location. If we are unable to do so due to space constriction or other factors then our head technician will identify and agree the best alternative with the Customer and install accordingly.

3. The prices quoted are for the LPG system only. If during our installation we uncover additional work required on non-LPG components then we will agree with the Customer the additional cost before proceeding. The charges are to be fully settled before collection of the vehicle.

4. We do from time to time use third parties to provide the service and the same terms and conditions below apply to such services unless specifically advised otherwise.

5. All charges for work undertaken are payable on completion in cash unless arrangements for credit or for payment by cheque satisfactory to the Company are made in advance. Cheques will only be accepted to the limit of the bankers card. Credit cards (if acceptable to the Company) may be permitted subject to usual checks being made.

6. Repair charges will be based on the labour and material costs involved. With the exception of parts retained for return for credit under a Manufacturers 'Exchange Unit' scheme, parts replaced will be destroyed unless instructions to the contrary are received from the Customer prior to are at the commencement of the repairs.

6. The Company reserves the right to charge for storage if a vehicle is not removed within 3 working days of notification of completion of work.

7. In the event of any defect developing within 6000 miles or 6 months (whichever is the sooner), and the same being reported in that time, the Company will make every reasonable endeavour to rectify the same free of charge if due to defective workmanship. On some systems the period of guarantee may be extended at the discretion of the Company and will be clearly indicated on the certificate provided to the Customer on completion of the work.

8. The Company will use it's best endeavours, to pass on, where available the benefit of any Manufacturers warranty or guarantee given in respect of replacement parts or materials supplied or used in any repair.

10. Commercial vehicle parts will be sold with the benefit of the Manufacturers warranty if available. Such parts when sold or supplied by the Company to Customers who are not 'consumers' as defined in the Consumer Right Protection Council, are sold on the express understanding that the Company shall not be responsible for any claim for loss of use, inconvenience, the hire of alternative transport or consequential loss or damage of whatever nature and howsoever caused.

11. The Customer is expected to ensure that all items of value including money are removed from the vehicle before it is placed with the Company for attention. If the Customer fails to do so the Company will not accept responsibility for any losses which arise whilst the vehicle is in the possession of the Company.

12. The Seller will give the Purchaser credit in respect of 'Exchange Units' provided the unit is returned within 90 days of the date of sale of the new unit and the exchange unit is returned in a condition and to a specification acceptable to the Manufacturer and the date of return forms part of the Manufacturers Exchange Plan. The Seller reserves the right to refuse to give the Purchaser credit if in the Sellers opinion the Manufacturer will not give the Seller credit for the 'Exchange Unit'. Not withstanding the above the Seller reserves the right to levy such charge upon the Purchaser as the seller shall deem appropriate in order to render the 'Exchange Unit' in a condition acceptable for return to the Manufacturer.

General

A. Any notice given hereunder must be in writing and sent by post to the residence or place of business of the person to whom it is addressed, or in the case of the Purchaser, to his address in the order documentation and shall be deemed to have been received in due course of post.

B. This document contains the whole terms of contract and no alteration or variation of the terms of contract shall be valid unless agreed and made in writing by the authorised Official of the Seller and no waiver of any breach by either party to the terms of contract shall prejudice the Seller strict legal right hereunder.

NOTHING HEREIN CONTAINED IS INTENDED TO AFFECT, NOR WILL AFFECT, A CONSUMERS STATUARY RIGHTS UNDER LEGISLATION CURRENTLY IN FORCE.

DATA PROTECTION ACT

We would like to use your details to send you information about promotions, services or our other products which we believe may be of interest to you. We would also like to use your information to conduct market research and customer surveys. In order to do this we may need to share your details with our subsidiary and associated companies or the manufacturers whom we represent. If you do NOT agree and would like us NOT to contact you (by post, telephone, email or sms) please let us know when you place the order.

Corporate Services

We provide bespoke services to businesses that wish to consider LPG as an alternative fuel. Please select from the services below or contact us to discuss your requirements.

Fleet Buyers & Conversions

We can purchase a number of cars on your behalf and convert them to your requirements. Please call us to discuss your needs.

Taxi Companies

We have had particular success in this area and can advise you of the regulations in force at your local authority and what type of systems would be most suitable for your fleet of cars. Our customers have enjoyed tremendous savings by undertaking conversions so please call us to discuss the business benefits.

LPG CAR CONVERSION

ZARIFACAR CONVERSION

LPG CAR CONVERSION

BMW CAR CONVERSION

Business Benefits

The benefits to a business are even more compelling than those for a private motorist. In addition there are financial and tax benefits that you can take advantage of plus we can advise on how your company can gain benefit by adopting a greener policy to support your overall Corporate Social Responsibility approach. We can advise on how you can adopt an environmental policy that can help you achieve ISO140001 accreditation.

Business case preparation

Most businesses will require some form of justification to help the decision making process. We have been advising many fleet managers on best practice in this area and can provide independent benchmark data for you to prepare an investment case in line with your company policy. Our services vary for each company and can cover:

Advice and consultancy

Operational evaluation and business case preparation

Full financial and tax analysis to support business investment case

Presentation of case to decision makers or the 'Board of Directors'

WHY YOU SHOULD CONVERT TO LPG?

I drive 15,000 miles a year and am thinking of converting my car to liquified petroleum gas (LPG). I know it is more environmentally friendly, but I want to know how much I can expect to pay for the conversion and if the cheaper price a litre makes it a better deal all round. Are there any other factors to consider?

It tanks the fuel

The cost of conversion is usually between £2,500 to £3,000, and based on your stated mileage it would probably take about two years to pay for itself, but there are grants available, depending on the age of the car. My advice would be that, unless space in the vehicle is a primary consideration, you should get as big a tank as you can fit in it. The toroidal tanks often offered are not large enough and you would find yourself needing to refuel annoyingly often. LPG does not get as high a mileage as petrol and the tanks only hold about 80% of rated capacity, so a 90 litre tank really holds only about 70 litres - this would probably take you about as far as about 50 litres of petrol, at a little more than half the cost ... so yes, it's a better deal all round.

DO IT

Yes, go for it. First, it is virtually pollution free, having nearly zero particulates. So you won't be adding to children's asthma. Second, it's much cheaper than petrol, costing between 29.9p a litre (at Morrison's) and 43p (at some motorway service stations). There is also a small reduction in car tax and exemption from the congestion charge for small cars. Insist on a sequential system. It's technical - but it means no loss of power and no risk of damage to your engine. Buy a top make - I got a Prins. Get it fitted by an accredited expert - Blaze Gas did mine, and I'm delighted with it. You will need to pay around £2,000 for a good system, and it will take maybe 20,000 miles to break even.

Your first port of call must be the transport energy site. Please please please do not get a conversion from a garage that is not on the powershift register. You will pay more (around £1,500) for a supplier on the register, but at least you know that it is a pukka job and it will be safe. Also, be prepared to lose space in your boot as it is likely that the hollow for the spare tyre will be used for the LPG tank. But, on the up side you will be paying between 34p and 41p a litre for two-thirds of the mileage, petrol equivalent. Finally, consider trading in your current car for one with an assembly line LPG fit, I have one and it is great.

If you're thinking of converting to LPG, check out www.lpgservices.chesstgroup.com, a website for consumers run by the LPG Chess-tgroup. Converting to LPG could help you save up to 40% off your fuel bill as it retails for approximately half the price of petrol and diesel. LPG vehicles also qualify for cheaper road tax. The government supports LPG by reducing the level of fuel duty and by giving three years' advance notice in every budget, of any changes. So you can rest assured that the price at the pumps will continue at around half the price of petrol and diesel for at least this period. Most petrol vehicles can be converted to LPG. It's a fairly straightforward process that costs about £1,600 for a car or a light van.

LPG CONVERSION

LPG CAR CONVERSION

MITSUBISHI OUTLAN CAR CONVERSION

LPG CAR CONVERSION

HONDA CAR CONVERSION

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SNIMKI CAR CONVERSION

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LPG CAR CONVERSION

JAGUAR XJ CAR CONVERSION

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NITRO CAR CONVERSION

LPG CAR CONVERSION

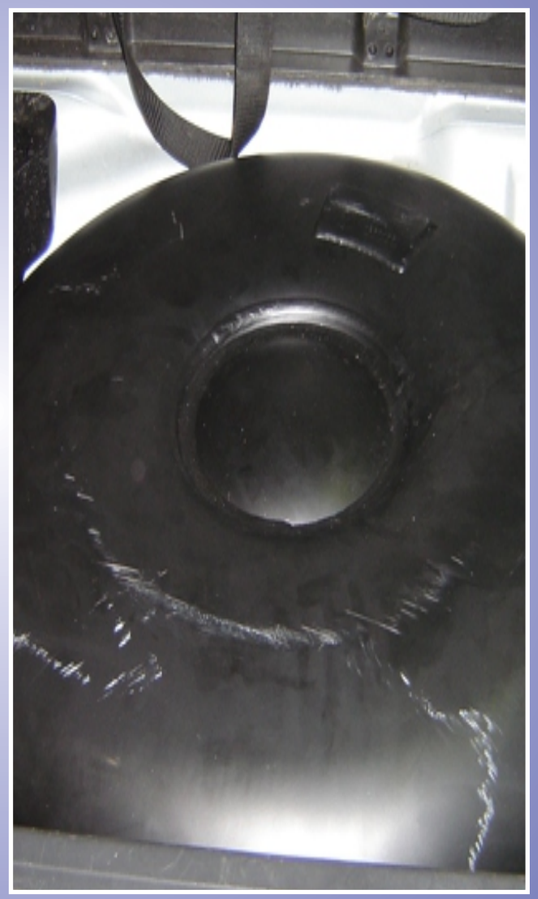
P T A F C A R C O N V E R S I O N

LPG CAR CONVERSION

J A G U A R C A R C O N V E R S I O N

LPG CAR CONVERSION

RANGROVER CAR CONVERSION



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SNIMKI INFINTY CAR CONVERSION

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MERCEDES CAR CONVERSION

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TOYOTA YARIS CAR CONVERSION

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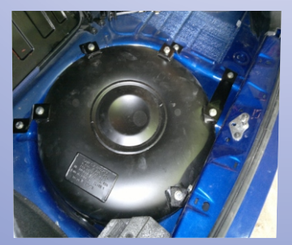

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LPG CAR CONVERSION PRICE LIST

www.chesstgroup.com

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